

# VAiOS™



## VAiOS MSC Main Smart Controller



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## From luxury to the necessary standard of living

In the past, cars were a privilege, today they are a necessity. Because they have given us the convenience to move around easily and quickly when needed. A few decades later, the same thing happened with GSMs. They gave us the ability to be in touch with our loved ones at any time, from any place, not just when they are at home.



We at VAIOS believe that within the current generation, along with the development of technology, building automation and in particular smart home, smart house, smart office will be a convenience that will become a necessity for any family or business.

## What is the VAIOS MSC Smart Controller?

The VAIOS Smart Controller MSC (Major Smart Controller) is a hardware development with integrated web-based software developed by VAIOS based on Linux operating system. In the development of the product, two production directions were set:

- ▶ serial production with products with fixed production cycles and prices, and
- ▶ custom production - focused on making smart controllers with custom parameters desired by the customer.

Each of the developments aims to provide ready-made solutions for customers, but can also be built upon on a builder's principle.





## SSL communication security level

Sir Tim Berners-Lee, one of the founders of the www (world wide web), says in a statement that the web today is much different and darker than the idea he started with - that people should be able to freely connect and communicate. Alas, indeed, the Internet today poses risks to both the security of individuals and businesses.

At VAiOS, we understand our customers' concerns. For this reason, the web-connection to the systems is secured by SSL communication, identical to that used when building banking and other high-level security software.



## The series 1.1

One of the series-produced smart controllers is the VAiOS MSC 1.1 series. These are smart controllers that manage a number of slave controllers with specific tasks in automation. The role of the smart controllers is to perform the web-connection and control of the system.

VAiOS MSC 1.1.2 can manage up to 2 controllers while the software is rendered virtually in both admin and user environments,

according to the user's defined access. The VAiOS MSC 1.1.4 and 1.1.8 Smart Controllers manage up to 4 and 8 controllers respectively with identical virtual visualization capabilities.

## Direct visualization and control

The other aspect of the VAiOS MSC smart controller series is the development of an integrated monitor that directly displays the control of the system on site, but can also be accessed via the web connection.

VAiOS MSCs with integrated monitor help customers to quickly and easily manage their home or office smart system by not using the smartphone app or accessing via PC. In this direction, we developed two different versions of the hardware with similar capabilities:

- ▶ The VAiOS MSC LCD version gives a direct preview on the process monitor and
- ▶ VAiOS MSC LCD TS, which has the ability to both visualize the process and be controlled from the field via the monitor's touch-screen option.

Both versions are developed in two sizes of integrated monitors:

- ▶ a 7 inch monitor that is more compact and
- ▶ a 15 inch monitor that provides a better view of the software platform.





## What is the advantage of bespoke smart systems?

Any batch production gives customers predictability in costs. The ability to calculate the construction of smart systems at home or in the office.



However, when the system is required to have a specific design or be of unusual parameters, then the solution is custom manufacturing and construction.

At VAiOS, we rely a lot more on custom development because we believe that as people are different, so their desires will differ. That's why every custom smart system of ours is a process of communication with the customer as we build it, so that we can give what is wanted in the smallest details and claims of automation systems.

In addition, custom-built systems often come out more budget-justified and at a lower cost because the system is relieved of everything that won't be used at the time and would only burden the entire system as well as the cost. At the same time, the developments, both in hardware and software, based on the constructor principle, make it possible at any moment to upgrade them in their parameters and volume and to enrich them in terms of the comfort they provide.

## Limited only by imagination

With the alternative of a bespoke system with no apparent price difference, and sometimes even a better deal, our customers are increasingly choosing to open themselves up by ordering their own version of smart system options for their home or business.

In order to be flexible in our offerings, we have developed the VAiOS MSC CT-SM, which hardware-wise is not very different from other models,

but our software is prepared with a choice of parameters, how many floors to build. With such a choice everyone could prefer their own software with specific capabilities.

As the main reason for building a smart system is the opportunity to be unique in automating our home or business as well.

